Authority: 1949 PA 300, Sec. 257.622	Do Not Use Page Of UD-10 (1/99)
Compliance: Required Department of Penalty: \$100 and/or 90 days	Incident #
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ORI: MI- 3336400	Traffic Crash Report
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APPENDIX C

DEFINITIONS OF TERMS

Some definitions given are for purposes of UD-10 Traffic Crash Report completion **only** and should not be used for enforcement or prosecution purposes.

At-intersection crash

Traffic crash where the first harmful event occurs at the exact intersecting point of the centerlines of the two roadways. See Within-intersection crash.

Bicycle

"Bicycle" means a device propelled by human power upon which a person may ride, having either 2 or 3 wheels in a tandem or tricycle arrangement, all of which are over 14 inches in diameter. §257.4

Bridge abutment

Vertical support structure which retains the earth supporting the bridge ends. See Bridge pier.

Bridge parapet end

The end of a bridge or bridge rail (as opposed to the "facing" which is that portion of the bridge rail beyond its end).

Bridge pier

Freestanding column that supports the weight of a bridge. The column is not enclosed or backed by earth. See Bridge abutment.

Bus

Any passenger-carrying vehicle designed to transport 16 or more passengers, including the driver.

Crash

Unstabilized situation which includes at least one <u>harmful event</u>. Also, that occurrence in a sequence of events that usually produces injury, death or property damage.

"Crash cushion"

See Impact attenuator.

Culvert

Enclosed (covered) channel under a road or driveway to allow water to pass.

Elected gross weight

"Elected gross weight" means the empty weight of a vehicle or combination of vehicles, fully equipped for service, plus the weight of the maximum load which the owner has elected to carry on such vehicle or combination of vehicles. §257.13a

Farm tractor

"Farm tractor" means every motor vehicle designed and used primarily as a farm implement for drawing plows, mowing machines, and other implements of husbandry. §257.16

Fifth wheel travel trailer

A trailer designed for recreational use that is normally towed by a pickup truck. The fifth wheel hitch has an upper and lower coupling device; the lower half is mounted in the bed of the towing unit. The upper half consists of a plate and king pin which is attached to the towed vehicle (fifth wheel travel trailer). A fifth wheel travel trailer is the only type of travel trailer that meets the requirement for use as the first towed unit in recreational doubles.

Gore

An area of land where two roadways diverge or converge. The area is bounded on two sides by the edges of the roadways which join at the point of divergence or convergence. The direction of traffic must be the same on both sides of these roadways. The gore is considered to start or end at the point where the painted pavement edge lines of the two roadways diverge or converge.

Gross weight

"Gross weight" means the weight of a vehicle without load plus the weight of any load thereon. §257.19

Harmful event

An occurrence of injury or damage.

Highway or street

"Highway or street" means the entire width between the boundary lines of every way publicly maintained when any part thereof is open to the use of the public for purposes of vehicular travel. §257.20

Ignition Interlock Devices

Ignition Interlock device means an alcohol concentration measuring device that prevents a motor vehicle from being started at any time without first determining through a deep lung sample the operator's breath alcohol level. **Michigan Vehicle Code**, **Sec. 257.625L (6)**

Immersion

The act of plunging into a liquid (water).

Impact attenuator

A protective device that protects errant vehicles from impacting fixed-object hazards by (1) gradually decelerating the vehicle and (2) re-directing its path of travel away from the fixed object.

Implement of husbandry

"Implement of husbandry" means a vehicle which is either a farm tractor, a vehicle designed to be drawn by a farm tractor or an animal, a vehicle which directly harvests farm products, or a vehicle which directly applies fertilizer, spray, or seeds to a farm field. §257.21

Intersection

"Intersection" means: (a) The area embraced within the prolongation or connection of the lateral curb lines, or, if none, then the lateral boundary lines of the roadways of 2 highways which join one another at, or approximately at, right angles, or the area within which vehicles traveling upon different highways joining at any other angle may come in conflict.

(b) Where a highway includes 2 roadways 30 feet or more apart, then every crossing of each roadway of such divided highway by an intersecting highway shall be regarded as a separate intersection. In the event such intersecting highway also includes 2 roadways 30 feet or more apart, then every crossing of 2 roadways of such highways shall be regarded as a separate intersection. §257.22

<u>Also</u>: Area within the extended pavement lines at points where two highways join or cross (from Dictionary of Civil Engineering).

In transport

The term "in transport" denotes the state or condition of a vehicle which is in motion or within the portion of a way ordinarily used by similar vehicles. When applied to motor vehicles, "in transport" means in motion or on a roadway.

Inclusions:

Motor vehicle in traffic on a highway Driverless motor vehicle in motion Motionless motor vehicle abandoned on a roadway Disabled motor vehicle on a roadway And others

A parked motor vehicle in roadway lanes used for travel during rush hours and parking during off-peak periods is in transport during periods when parking is forbidden.

Luminaire/light support

A complete lighting unit, consisting of lamp(s), support pole and wiring

Median

Distance or area between the inside left-hand pavement edges of a divided highway.

Moped

"Moped" means a 2- or 3-wheeled vehicle which is equipped with a motor that does not exceed 50 cubic centimeters piston displacement, produces 2.0 brake horsepower or less, and cannot propel the vehicle at a speed greater than 30 miles per hour on a level surface. The power drive system shall not require the operator to shift gears. §257.32b

Motorcycle

"Motorcycle" means every motor vehicle having a saddle or seat for the use of the rider and designed to travel on not more than 3 wheels in contact with the ground but excluding a tractor. §257.31

Motor home

"Motor home" means a motor vehicle constructed or altered to provide living quarters, including permanently installed cooking and sleeping facilities, and is used for recreation, camping, or other non-commercial use. §257.32a

Motor vehicle

"Motor vehicle" means every vehicle which is self-propelled and every vehicle which is propelled by electric power obtained from overhead trolley wires, but not operated upon rails. §257.33

Non-profit organization registration

A vehicle registration issued to certain non-profit organizations such as Civil Air Patrol, churches, and civic clubs. Sometimes referred to as a "Y-Plate." See MVC 257.224 for details.

Non-traffic area

An area not designed for purposes of thru vehicular travel. Generally, an area with roadways that are not part of the state, county, or local road system. Non-traffic areas include shopping center parking areas and service-access roads, parking ramps, parklands and school properties.

ORV

"ORV" or "vehicle" means a motor-driven off-road recreation vehicle capable of cross-country travel without benefit of a road or trail, on or immediately over land, snow, ice, marsh, swampland, or other natural terrain. It includes, but is not limited to a multitrack or multiwheel drive or low pressure tire vehicle, a motorcycle or related 2-wheel or 3-wheel vehicle, an amphibious machine, a ground effect air cushion vehicle, or other means of transportation deriving motive power from a source other than muscle or wind. "ORV" or "vehicle" does not include a registered snowmobile, a farm vehicle being used for farming, a vehicle used for military, fire, emergency, or law enforcement purposes, a construction or logging vehicle used in performance of its common function, or a registered aircraft. §257.1601

Parking

"Parking" means standing a vehicle, whether occupied or not, upon a highway, when not loading or unloading, except when making necessary repairs. §257.38

Pedalcycle

A non-motorized vehicle propelled by pedaling. It includes unicycles, bicycles, and tricycles.

Ramp

An auxiliary roadway used for entering or leaving thru-traffic lanes.

Recreational double

Pulling vehicle equipped with fifth wheel, pulling two trailers, used for recreation and personal travel, as opposed to commercial use.

Roadway

"Roadway" means that portion of a highway improved, designed, or ordinarily used for vehicular travel. In the event a highway includes 2 or more separate roadways, the term "roadway," as used herein, shall refer to any such roadway separately, but not to all such roadways collectively. §257.55

School bus

"School bus" means every motor vehicle, except station wagons, with a manufacturers' rated seating capacity of 16 or more passengers, including the driver, owned by a public, private, or governmental agency and operated for the transportation of children to or from school, or privately owned and operated for compensation for the transportation of children to or from school. School bus does not include buses operated by a municipally owned transportation system or by a common passenger carrier certificated by the state transportation department. §257.57

Semi-trailer

"Semi-trailer" means every vehicle with or without motive power, other than a pole-trailer, designed for carrying persons or property and for being drawn by a motor vehicle and so constructed that some part of its weight and that of its load rests upon or is carried by another vehicle. §257.59

Shoulder; ditch slope

"Shoulder" means that portion of the highway contiguous to the roadway generally extending the contour of the roadway, not designed for vehicular travel but maintained for the temporary accommodation of disabled or stopped vehicles otherwise permitted on the roadway.

"Ditch slope" is that portion of the highway adjacent to the shoulder if one exists or adjacent to the roadway on roads without shoulders, extending to the bottom of the roadside ditch and is not constructed or maintained for the use of any vehicles except those engaged in construction or maintenance. §257.59a

Snowmobile

"Snowmobile" means any motor driven vehicle designed for travel primarily on snow or ice of a type which utilizes sled runners or skis, or an endless belt tread or any combination of these or other similar means of contact with the surface upon which it is operated; but is not a vehicle which must be registered under Act No. 300 of the Public Acts of 1949, as amended, being sections 257.1 to 257.923 of the Michigan Compiled Laws. §257.1501

Special mobile equipment

"Special mobile equipment" means every vehicle not designed or used primarily for the transportation of persons or property and incidentally operated or moved over the highways, including farm tractors, road construction or maintenance machinery, mobile office trailers, mobile tool shed trailers, mobile trailer units used for housing stationary construction equipment, ditch-digging apparatus, well-boring and well-servicing apparatus. The foregoing enumeration shall be deemed partial and shall not operate to exclude other such vehicles which are within the general terms of this definition. §257.62

Street or highway

"Street or highway" means the entire width between boundary lines of every way publicly maintained when any part thereof is open to the use of the public for purposes of vehicular travel. §257.64

Thru highway

"Thru highway" means every state trunk line highway, or any other highway at the entrance to which vehicular traffic from an intersecting highway is required by law to stop before entering or crossing the same. §257.68

Towed vehicle

Vehicle being pulled or pushed by a tow truck or other motor vehicle, where some tires of the towed vehicle touch the road surface (does not include vehicles being transported on flat-bed truck).

Traffic

"Traffic" means pedestrians, ridden or herded animals, vehicles, street cars and other conveyances, either singly or together, while using any highway for purposes of travel. §257.69

Traffic Crash

An incident involving a motor vehicle, in transport, on a roadway, that resulted in death, injury or property damage of \$400 or more.

Traffic control devices

"Traffic control devices" means all signs, signals, markings, and devices not inconsistent with this act placed or erected by authority of a public body or official having jurisdiction, for the purpose of regulating, warning or guiding traffic. §257.70

Trailer

"Trailer" means every vehicle with or without motive power, other than a pole-trailer, designed for carrying property or persons and for being drawn by a motor vehicle and so constructed that no part of its weight rests upon the towing vehicle. §257.73

Transition area

Area of road where the number of travel lanes increases or decreases.

Truck

"Truck" means every motor vehicle designed, used, or maintained primarily for the transportation of property. §257.75

Truck Tractor

"Truck tractor" means every motor vehicle designed and used primarily for drawing other vehicles, and not so constructed as to carry a load other than a part of the weight of the vehicle and load so drawn, except that a truck tractor and semi-trailer engaged in the transportation of automobiles may transport motor vehicles on part of the power unit. §257.77

Unstabilized situation

Set of events not under human control. It starts when control is lost and ends when (1) control is regained or, (2) in the absence of persons who are able to regain control, when all persons and property are at rest.

Vehicle

"Vehicle" means every device in, upon, or by which any person or property is or may be transported or drawn upon a highway, excepting devices exclusively moved by human power or used exclusively upon stationary rails or tracks and excepting a mobile home. §257.79

Within-intersection crash

Traffic crash where the first harmful event occurs within the limits (corners) of the intersection. See At-intersection crash.

Sources: Motor Vehicle Code, ORV Act, Snowmobile Act, and National Safety Council Manual on Classification of Motor Vehicle Traffic Accidents.

APPENDIX D

FATALITY ANALYSIS REPORTING SYSTEM

The Fatality Analysis Reporting System (FARS) gathers data on the most severe traffic crashes that occur each year - those that result in loss of human life.

The system was conceived, designed, and developed by the National Center for Statistics and Analysis (NCSA) of the National Highway Traffic Safety Administration (NHTSA) to provide an overall measure of highway safety, to help identify traffic safety problems, to suggest solutions, and to help provide an objective basis on which to evaluate the effectiveness of motor vehicle safety standards and highway safety programs.

FARS became operational in 1975 and contains data on fatal traffic crashes within 50 States, the District of Columbia, and Puerto Rico. To be included in FARS, a crash must involve a motor vehicle traveling on a trafficway customarily open to the public, and must result in the death of a person (vehicle occupants or non-motorist).

The FARS file contains descriptions, in a standard format, of each fatal crash reported. Each crash has more than 100 different coded data elements that characterize the crash, the vehicles, and the people involved. The specific data elements may be modified slightly each year to conform to changing user needs, vehicle characteristics, and highway safety emphasis areas. The FARS analyst reviews the UD-10 to complete all data elements reported on four forms:

The Crash Form asks for specific information such as the time and location of the crash, the first harmful event, whether it is a hit-and-run crash, whether a school bus was involved, the number of vehicles and people involved and weather conditions.

The Vehicle Form calls for data on each vehicle involved in the crash. Specific data include the vehicle type, role in the crash, initial and principal impact points, the most harmful event.

The Driver Form calls for the driver's record and license status including mandated CDL information.

The Person Form calls for data on each person involved in the crash: his or her age and sex, role in the crash (driver, passenger, non-motorist), alcohol and drug involvement, injury severity and restraint use.

The data collected within FARS do not include any personal identifying information such as names, addresses, or social security numbers. Thus, any data kept in FARS files are made available to the public to fully conform to the Privacy Act laws. An overview of FARS data is published in various fact sheets and in an annual report - all available to the public. The annual report contains a comprehensive analysis of the years' data and includes some past years data with comparative analyses.

Michigan has participated in the FARS program since its inception. The FARS analyst gathers, translates and enters data via a local microcomputer directly into NHTSA's central computer data file. Data are automatically checked when entered for acceptable range values and for consistency.

FARS data are used extensively within NHTSA; and requests are received from sources such as State and local governments, research organizations, private citizens, the auto and insurance industries, Congress, and the media. Specific FARS data uses include the evaluation of:

- legal drinking age legislation
- > motorcycle helmet usage legislation
- > repeat offender
- > restraint usage laws
- > the 65 MPH speed limit
- > safety design of cars and light trucks
- safety of large trucks on the highway

FARS data can be accessed at the State level by the FARS analyst to respond to State safety issues. Users may request specific data from the Center at no charge for most requests, generally within two weeks allowing more time for complex or lengthy reports. Also users can obtain a file on computer tape in one of several formats amenable to analysis. This will enable you to process the data using your own computer system. FARS website address is: www-fars.nhtsa.dot.gov.

To request FARS information, contact:

Fars Analyst
Michigan State Police
Criminal Justice Information Center
7150 Harris Drive
Lansing, MI 48913
Phone (517) 322-5030

APPENDIX E

Please photocopy and distribute as needed

1999 EDITION UD-10 INSTRUCTION MANUAL INDEX

For Truck/Bus data fields, see "Truck/Bus Index" page 83

<u>SUBJECT</u> (Section Number appears in parenthes	ses) <u>PAGE</u>
Access Control (28)	29
Action Prior (71)	
Action, Hazardous (41)	38
Additional Information, Special Checks (16)	19
Address, Driver (32)	32
Address, Owner (65)	47
Address, Passenger (58)	46
Address, Uninjured Passenger (65)	47
Address, Witness (65)	47
Age, Uninjured Passenger (65)	47
Age, Vehicle Owner (65)	47
Age, Witness (65)	
Agency, ORI Number (1)	
Airbag Deployed (39 & 64)	37 & 47
Alcohol/Drug (33)	34
Ambulance, Special Vehicle (49)	40
Ambulance/Hospital (36 & 63)	35 & 47
Application, UD-10 Form	g
Area (23)	
Automated (Computerized) UD-10	
Badge Numbers(s)/Investigator Name(s) (77)	53
Bicycle (Defined)	15
Bus Commercial, Special Vehicles (49)	
Bus & Truck Data Fields	
Bus Private, Special Vehicles (49)	40
Bus School, Special Vehicles (49)	
Circumstances, Special (12)	17
Citation Issued (40)	37
City/Township (18)	22
Coding, Litho (96)	
Computerized UD-10	
Condition, Road (24)	
Construction Equipment, Special Vehicles (49)	40
Construction Zone (20)	23

Control, Traffic (19)		23
Corrected Copy, Special Checks (16)	19 &	ر 20
County (17)		22
Crash Date (8)		
Crash Diagram And Remarks (73)		53
Crash Time (9)		12
Crash Type (11)		14
Damage, Location Of Greatest (50)		41
Damage, Vehicle Extent Of (52)		42
Damaged Property (67)		48
Damaged Traffic Control, Person Advised Of (66)		48
Date Of Birth, Driver (32)		32
Date Of Birth, Passenger (58)		
Date, Crash (8)		12
Date, Person Advised Of Damaged Traffic Control (66)		48
Date, Reported Time And (75)		
Deer (12)		
Defect, Vehicle (56)		45
Definitions Of Terms (Appendix C)		70
Delete, Special Checks (16)		
Department Name (2)		11
Deployed, Airbag (39 & 64)	37 &	47 ،
Description, Vehicle (44)		
Design, Form		
Diagram, Crash And Remarks (73)	98	ι 53
Direction, Vehicle (48)		39
Do Not Use (97)		61
Driveable (53)		42
Driver Condition (29)		. 30
Driver, State/Name/Address/Phone Number/DOB/Lic Type/Sex (32)	32 &	ι 33
Drug/Alcohol (33)		
Ejected/Trapped (38 & 59)	37 &	46 ،
Engineer, Railroad (Defined)		15
Events, Sequence Of (72)		
Events, Sequence Of Most Harmful Event (72)		52
Extent Of Vehicle Damage (52)		42
Farm Equipment, Special Vehicles (Non-Registered) (49)		
Fatal Crashes (Diagram, Non-Public Highways, LEIN)		
Fatal, Special Checks (16)		
File Class (5)		
Fire Vehicle, Special Vehicles (49)		
First Impact (51)		
Form Application		. 9
Form Design		
Forms, Scanned		9

Greatest Damage, Location Of (50)	. 41
Hazardous Action (41)	
Hospital/Ambulance (36 & 63)35 &	47
Impact, First (51)	
Important Points (#2 Pencil, Stray Marks, Errors)	. 10
Incident Disposition (6)	12
Incident Number (4)	11
Injury (37 & 60)36 &	47
Insurance (46)	. 39
Investigated At Scene (74)	53
Investigator Name(s)/Badge Numbers(s) (77)	. 53
Lanes, Total (25)	. 28
LEIN, Fatal Crashes (Instructions & Appendix B)9 &	69
License Type, Driver (32)	. 32
Light (15)	
Limit, Speed (26)	28
Litho Coding (96)	
Local Filing Information Area (95)	61
Location (21)	
Location Of Greatest Damage (50)	
Most Harmful Event, Sequence Of Events (72)	52
Motor Vehicle (Defined)	
Name, Department (2)	
Name, Driver (32)	. 32
Name, Owner (65)	
Name(s), Badge Number(s) / Investigator(s) (77)	
Name, Passenger (58)	
Name, Person Advised Of Damaged Traffic Control (66)	
Name, Uninjured Passenger (65)	
Name, Witness (65)	
Non-Traffic, Special Checks (16)9 &	
Number Of Units (10)	
Number, Agency ORI (1)	
Number, Incident (4)	
Number, Page (3)	. 11
Number, Override Serial (70)	
Number, Unit (30)	. 30
Occupants, Total (45)	
ORI - Originating Agency Number (1)	
Override, Serial Number (70)	
Owner, Property Damaged (69)	
Owner/Witness/Uninjured Passenger (65)	
Page Number (3)	
Parked Vehicle	
Passenger, Name/Address/Phone Number/DOB/Sex (58)	. 46

Pedestrian (Defined)		
Person Advised Of Damaged Traffic Control (66)		. 48
Phone Number, Driver (32)		. 32
Phone Number, Owner Of Property Damaged (69)		49
Phone Number, Passenger (58)		46
Phone Number, Uninjured Passenger (65)		47
Phone Number, Vehicle Owner (65)		47
Phone Number, Witness (65)		
Photos By (76)		
Points Of Importance (#2 Pencil, Stray Marks, Errors)		10
Police Pursuits (12)		
Police Vehicle, Special Vehicles (49)		
Position, Driver (34 & 61)		
Position, Uninjured Passenger (65)		
Position, Vehicle Owner (65)		
Position, Witness (65)		
Posted Roadways, Speed Limit (26)		
Prior, Action (71)		
Private Property (16) (See "Non-Traffic")		
Private Trailer Type (57)		
Property, Damaged (67)		
Public (68)		
Pursuits (Police Pursuits) (12)		
Railroad Engineer (Defined)		
Registration, Vehicle (42)	3	88
Relation To Roadway (22)		26
Remarks, Crash Diagram And (73)		. 53
Replace, Special Checks (16)	20 &	21
Reported Date/Time (75)		
Restraint, Driver (35 & 62)	35 &	47
Restraint, Owner Of Vehicle (65)		47
Restraint, Uninjured Passenger (65)		47
Restraint, Witness (65)		47
Reviewer (7)		. 12
Road Condition (24)		28
Roadway, Relation To (22)		
Roadways, Posted & Unposted Speed Limit (26)	28 &	29
Scanned, Forms		9
Scene, Investigated At (74)		
Sequence Of Events (72)	50 &	52
Sequence Of Events/Most Harmful Event (72)	50 &	52
Serial, Override Number (70)		
Sex of Driver (32)		
Sex of Passenger (58)		
Snowmobile/ORV, Special Checks		

Special Checks (16)	. 19
Special Circumstances (12)	17
Special Study (13)	
Special Vehicles (49)	40
Speed Limit, Posted & Unposted Roadways (26)28 8	
State, Driver (32)	. 32
Study, Special (13)	18
Submitting UD-10 Data via ComputerFor information, call 517/322-1	188
Terms, Definitions Of (Appendix C)	70
Time, Crash (9)	. 12
Time, Person Advised Of Damaged Traffic Control (66)	48
Time, Reported Date And (75)	. 53
Total Lanes (25)	28
Total Occupants (45)	. 39
Towed To/By (47)	39
Township/City (18)	. 22
Traffic Control (19)	
Traffic Control, Person Advised Of Damage (66)	. 48
Trafficway (27)	
Trailer, Private Type (57)	
Trapped/Ejected (38 & 59)37 8	3 46
	_
Truck & Bus Data FieldsSee "Truck/Bus Index"	
Truck & Bus Data FieldsSee "Truck/Bus Index" Type, Crash (11)	83 14
Truck & Bus Data FieldsSee "Truck/Bus Index"	83 14
Truck & Bus Data FieldsSee "Truck/Bus Index" Type, Crash (11)	83 14 47
Truck & Bus Data FieldsSee "Truck/Bus Index" Type, Crash (11)Uninjured Passenger (65)	83 14 47 . 30
Truck & Bus Data Fields	83 14 47 . 30 . 31
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 13
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 13 & 29 . 44
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 13 & 29 . 44 . 42
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 13 & 29 . 44 . 42
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 13 & 29 . 44 . 42 45
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 13 & 29 . 44 . 42 45 39
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 13 & 29 . 44 . 45 39 38
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 13 & 29 . 44 45 45 39 38 38
Truck & Bus Data Fields See "Truck/Bus Index" Type, Crash (11) Uninjured Passenger (65) Unit Number (30) Unit Type (31) Units, Number Of (10) Unposted Roadways, Speed Limit (26) Use, Vehicle (55) Vehicle Damage, Extent Of (52) Vehicle Defect (56) Vehicle Description (44) Vehicle Direction (48) Vehicle Registration (42) Vehicle Type (54) Vehicle Use (55)	83 14 47 . 30 . 31 . 13 & 29 . 44 . 45 39 39 43 44
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 29 . 44 45 39 39 43 44 15
Truck & Bus Data Fields See "Truck/Bus Index" Type, Crash (11) Uninjured Passenger (65) Unit Number (30) Unit Type (31) Units, Number Of (10) Unposted Roadways, Speed Limit (26) Use, Vehicle (55) Vehicle Damage, Extent Of (52) Vehicle Defect (56) Vehicle Direction (44) Vehicle Direction (48) Vehicle Registration (42) Vehicle Type (54) Vehicle, Motor (Defined) Vehicle, Parked	83 14 47 . 30 . 31 . 13 & 29 . 44 45 39 39 43 43 15
Truck & Bus Data Fields See "Truck/Bus Index" Type, Crash (11) Uninjured Passenger (65) Unit Number (30) Unit Type (31) Units, Number Of (10) Unposted Roadways, Speed Limit (26) Use, Vehicle (55) Vehicle Damage, Extent Of (52) Vehicle Defect (56) Vehicle Direction (44) Vehicle Direction (48) Vehicle Type (54) Vehicle Use (55) Vehicle, Motor (Defined) Vehicle, Parked Vehicles, Special (49)	83 14 47 . 30 . 31 . 29 . 42 45 39 43 44 15 9 40
Truck & Bus Data Fields	83 14 47 . 30 . 31 . 13 & 29 . 44 45 39 39 43 44 15 9 40 38
Truck & Bus Data Fields See "Truck/Bus Index" Type, Crash (11) Uninjured Passenger (65) Unit Number (30) Unit Type (31) Units, Number Of (10) Unposted Roadways, Speed Limit (26) Use, Vehicle (55) Vehicle Damage, Extent Of (52) Vehicle Defect (56) Vehicle Direction (44) Vehicle Direction (48) Vehicle Type (54) Vehicle Use (55) Vehicle, Motor (Defined) Vehicle, Parked Vehicles, Special (49)	83 14 47 30 31 29 45 45 38 43 45 45 38 43 45

SEE TRUCK/BUS INDEX Page 83

TRUCK/BUS INDEX

The following pertains exclusively to "Truck/Bus Information" section of UD-10

If you have any question about how to report a crash involving a truck or bus, please contact your nearest Michigan Department of State Police

Motor Carrier Officer for assistance

Address, Carrier (80)	55
Axles, Type Per Unit and (90)	59
Body Type, Cargo (91)	59
Cargo Body Type (91)	59
Carrier Name (79)	54
Carrier Source (81)	55
CDL Exempt (88)	57
CDL Restrictions (87)	57
CDL Type, Driver's (85)	56
Class (International Classification) (94)	61
Coding, Litho (96)	61
Definitions Of Terms (Appendix C)	70
Do Not Use (97)	
Driver's CDL Type (85)	56
Exempt, CDL (88)	
Filing Information Area, Local (95)	
Gross Vehicle Weight Rating (GVWR) (84)	
Hazardous Material (92)	
Hazardous Material, Placard Identification Number (93)	60
ICCMC - Interstate Commerce Commission Motor Carrier (82)	
Identification Number, Hazardous Material Placard (93)	
Information Area, Local Filing (95)	
International Classification, Class Placard (94)	
Interstate (83)	
Intrastate (83)	56
Litho Coding (96)	
Local Filing Information Area (95)	
Material, Hazardous (92)	
Medical Card (86)	
MPSC - Michigan Public Service Commission (82)	55
Placard, Identification Number Of Hazardous Material (93)	
Restrictions, CDL (87)	
Terms, Definitions Of (Appendix C)	
Type Ánd Axles Per Unit (90)	
Type Body, Cargo (91)	
Type, Vehicle (89)	
Unit Number (78)	
USDOT - United States Department of Transportation (82)	55
Vehicle Type (89)	

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